

GeDiPNet Shared-Gene Disease Pairs

Similarity: Jaccard index on shared curated genes (disease_gdp). Significance: upper-tail hypergeometric test ($P(X \geq k)$), Benjamini-Hochberg FDR-corrected across all tested pairs. Corroborated Shared Genes: count of shared genes backed by ≥ 2 distinct disease_gdp.main_source values combined across both diseases (e.g. GWAS-backed for one, ClinVar-backed for the other still counts); Shared Gene Names lists each gene's own source count in parentheses. Overlap Coefficient: shared genes / MIN(each disease's own total gene count) -- complements the Jaccard-based Similarity Score by showing how much of the SMALLER disease's entire known gene-set is covered by this pair, which Jaccard (dividing by the union) can understate. Shared Cluster: cluster id if both diseases fall in the same label-propagation cluster (scripts/build_disease_clusters.php), blank otherwise. See scripts/build_related.php on gedipnet.bicnirrh.res.in. Data as of: 2026-10-10 03:00:13. Filters applied: disease name contains "Diffuse gastric and lobular breast cancer syndrome" (10 matching pairs). · Rows: 10 · Generated: 2026-10-10 08:32:29

Disease A	Disease B	Shared Genes	Corroborated Shared Genes	Shared Gene Names	Similarity Score	Overlap Coefficient	P-value	FDR Q-value	Shared Cluster
Diffuse gastric and lobular breast cancer syndrome	Macular dystrophy	1	1	CTNNA1 (4)	0.02222	1.00000	2.858e-3	3.806e-3	
Diffuse gastric and lobular breast cancer syndrome	Generalized anxiety disorder	1	1	CTNNA1 (2)	0.02439	1.00000	2.598e-3	3.514e-3	
Congenital fibrosis of extraocular muscles	Diffuse gastric and lobular breast cancer syndrome	1	1	CTNNA1 (3)	0.05882	1.00000	1.039e-3	1.739e-3	
Ductal carcinoma	Hereditary diffuse gastric and lobular breast cancer syndrome	1	1	CDH1 (4)	0.08333	1.00000	7.144e-4	1.335e-3	
Hereditary diffuse gastric and lobular breast cancer syndrome	Prostatic intraepithelial neoplasia	1	1	CDH1 (4)	0.08333	1.00000	7.144e-4	1.335e-3	
Cleft lip with or without cleft palate	Hereditary diffuse gastric and lobular breast cancer syndrome	1	1	CDH1 (3)	0.14286	1.00000	3.897e-4	8.665e-4	312
Hereditary diffuse gastric and lobular breast cancer syndrome	Lobular carcinoma	1	1	CDH1 (4)	0.14286	1.00000	3.897e-4	8.665e-4	
Butterfly-shaped pigmentary macular dystrophy	Diffuse gastric and lobular breast cancer syndrome	1	1	CTNNA1 (4)	0.16667	1.00000	3.247e-4	7.709e-4	
Diffuse gastric and lobular breast cancer syndrome	Patterned macular dystrophy	1	1	CTNNA1 (4)	0.20000	1.00000	2.598e-4	6.509e-4	
Blepharocheilodontic syndrome	Hereditary diffuse gastric and lobular breast cancer syndrome	1	1	CDH1 (6)	0.33333	1.00000	1.299e-4	3.931e-4	312